
Sissejuhatus infotehnoloogiasse

ajalugu 1989-2009

Siin **kolmas osa**:

esimene ja teine osa on teistes powerpointides

1997: Mac, MS, Gnu/Linux

- Microsoft ceases development of Windows NT for systems using PowerPC processors.
- Gilbert Amelio resigns as president, CEO, and chairman of Apple Computers. His severance package is about US\$7.5 million.
- **Steve Jobs** begins designing what would become the **iMac**.
- At Macworld Expo, **Steve Jobs announces an alliance with Microsoft**, including an investment of US\$150 million
- Miguel de Icaza starts writing **GNOME for GNU/Linux**, developed with the support of Red Hat Software, GNOME set out to provide similar desktop facilities to KDE, but using free software exclusively.

1997: Google start

- **Google** began in March 1997 as a research project by Larry Page and Sergey Brin, Ph.D. students at Stanford working on the Stanford Digital Library Project (SDLP)
- 1998: Sun co-founder Andy Bechtolsheim writes a check for \$100,000 to an entity that doesn't exist yet: a company called Google Inc.
- 1999: eight employees, \$25 million round from Sequoia Capital and Kleiner Perkins



1997: Computer chess finally wins big

- **Deep Blue** wins the reigning World Champion in Chess, Garri Kasparov



1998: Netscape down, Mozilla born

- Netscape makes **source code for Netscape Communicator 5.0 browser available for free download on the Internet**
- **Free Mozilla browser project started.**
- Netscape lays off about 400 employees.



- The US Department of Justice and 20 state attorneys general file antitrust lawsuits against Microsoft, regarding its marketing of Internet Explorer.
- Microsoft applies for, and receives, a stay of the December 1997 court order allowing Windows 98 to ship with Internet Explorer 4.
- Microsoft ships Windows 98 to OEMs.
- America Online buys Netscape Communications for US\$4.2 billion in stock. Before, Netscape stock was priced around 20\$.

1998: iMac, MS super market cap, Red Hat

- Steve Jobs introduces the **iMac**: 233 MHz PowerPC G3 processor, 32 MB RAM, 4 GB hard disk, 24X CD-ROM, 15-inch monitor, 66-MHz system bus, for US\$1299.
- Intel announces the Pentium II **Xeon** processor.
- Microsoft becomes the world's most valuable company, at **US\$261.1 billion**.
- **Red Hat** Linux 5.2 is released. Red Hat emerges as a dominant Linux packaging-and-support company.

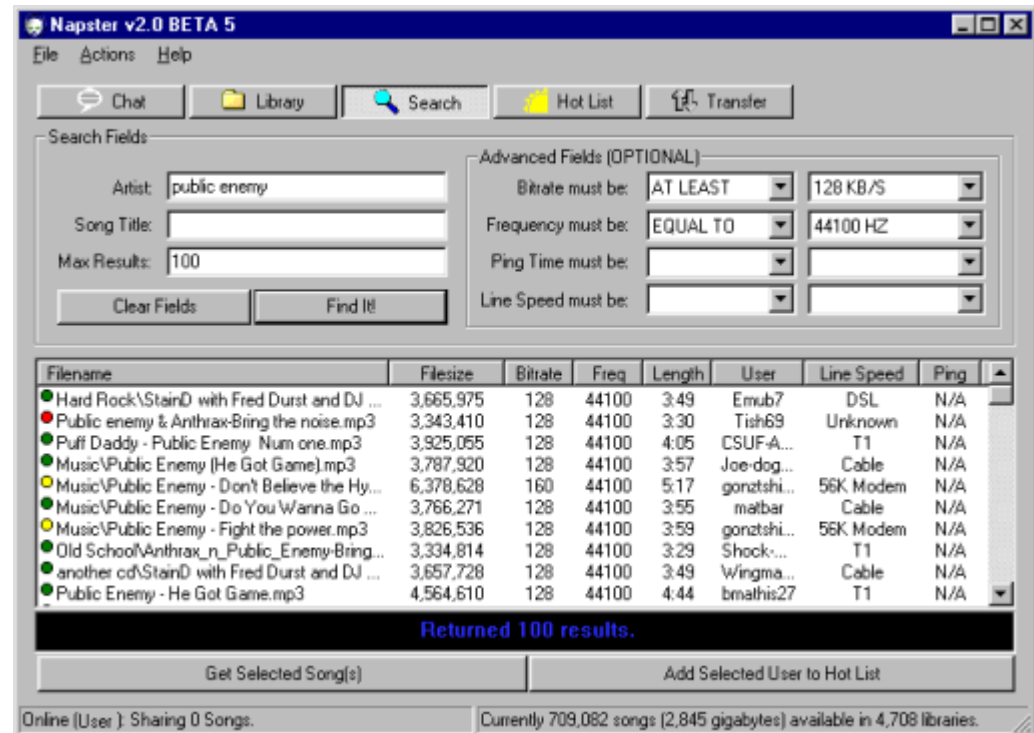


1998: Half life

- Developed by Valve, which was created in 1996 by former Microsoft employees **Gabe Newell** and Mike Harrington
- Uses heavily modified **Quake engine** (where **John Carmack** is the main author)



- RIM releases the **Blackberry**
- **NVIDIA** introduces their GPU
- **Napster** was the first peer-to-peer file sharing network. Developed by Shawn Fanning



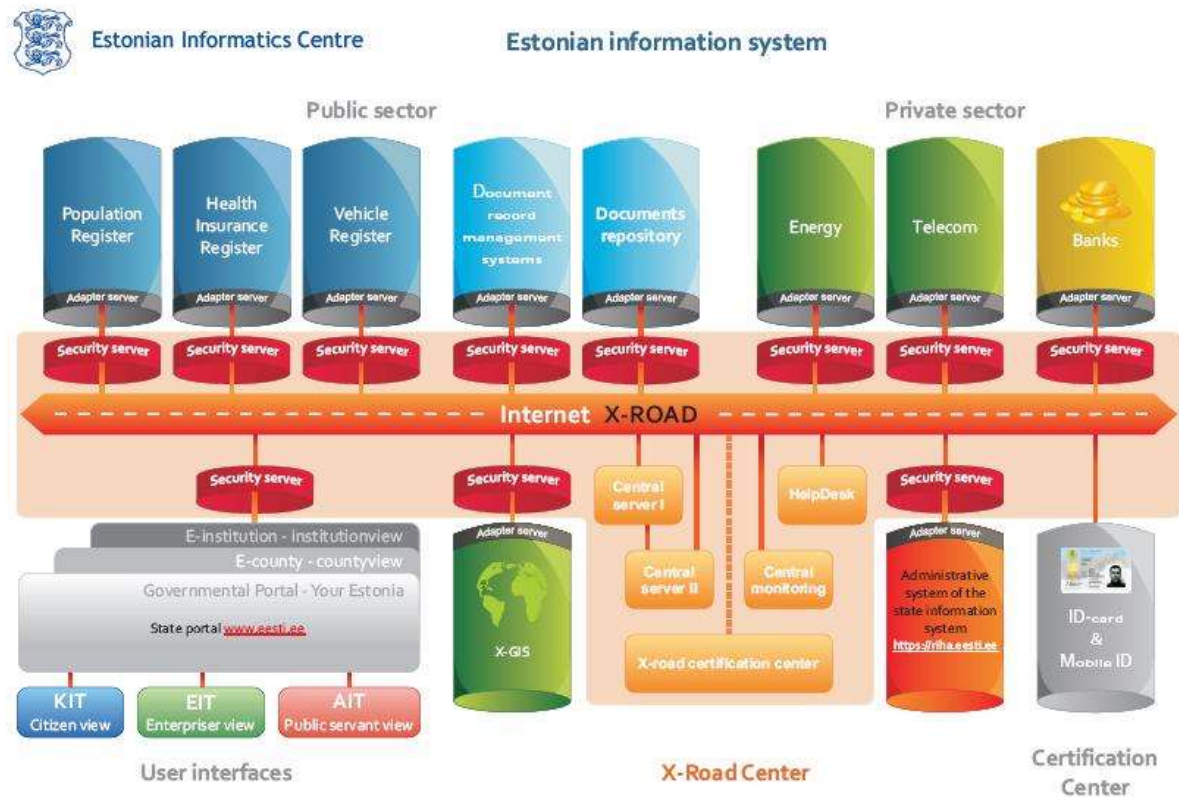
- Computers continue to work and the world doesn't come to an end on January 1, 2000 as some feared might happen because of the **year 2000 bug**.
- Microsoft introduces **C#** to the public.
- Microsoft Bill Gates relinquishes his title as CEO to Microsoft President **Steve Ballmer**.
- Trek Technology and IBM began selling the first **USB flash drives** commercially.
- **Kazaa and FastTrack P2P systems** were originally created and developed by Estonian programmers from BlueMoon Interactive (Ahti Heinla, Priit Kasesalu ning Jaan Tallinn) with the investors Niklas Zennström and Janus Friis (who were later to create Skype and later still Joost and Rdio).

- **Dell computers** becomes the largest PC maker.
- **Wikipedia** is founded .
- Bram Cohen introduces **BitTorrent** on a public message board.
- Apple introduces the **iPod**.
- Apple introduces UNIX-based **Mac OS X 10.0**, replacing the old Mac OS.
- NeXTSTEP (developed by Jobs-created NeXT) was based on the Mach kernel and BSD, then evolved into OpenStep, then used as a basis of Mac OS X.
- Microsoft releases **XBOX**



2001: X-road started in Estonia

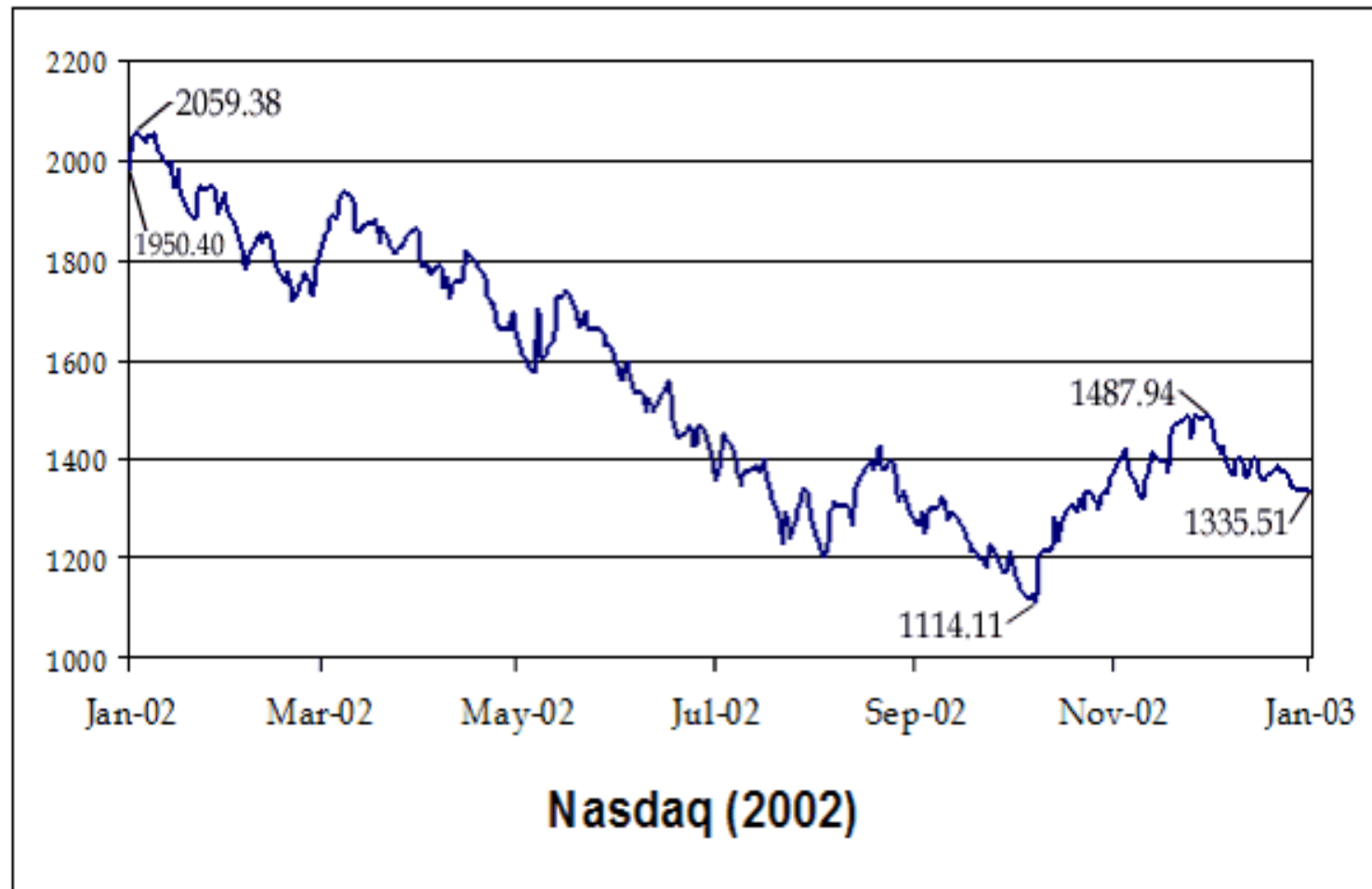
- Secure standardised communications platform between different state information systems and databases
- Idea and pilot 1999-2000: Tanel Tammet, Ain Järv, Vello Kadarpiik



- CIV III by Jeff Briggs, Soren Johnson



2002: stock market crash

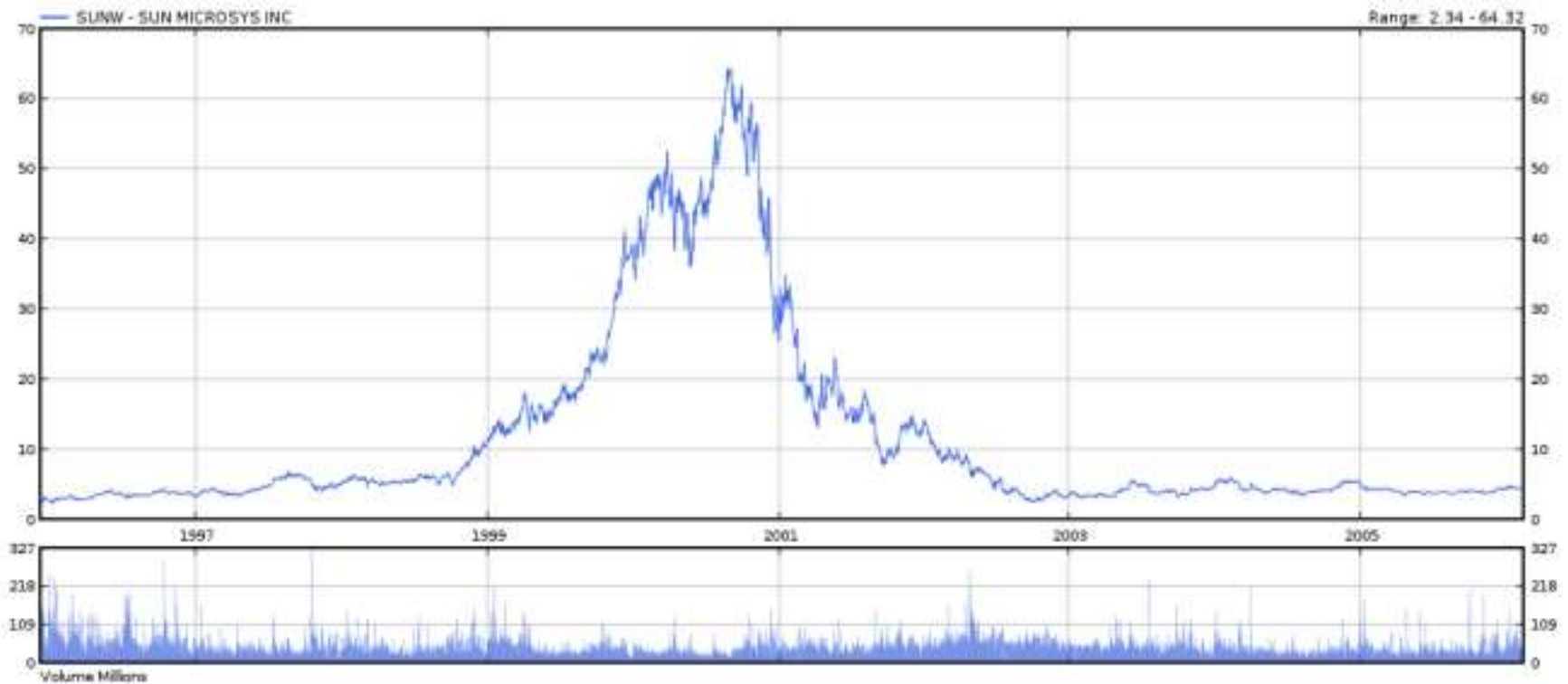


Nasdaq ja Dow Jones: 1972-2015



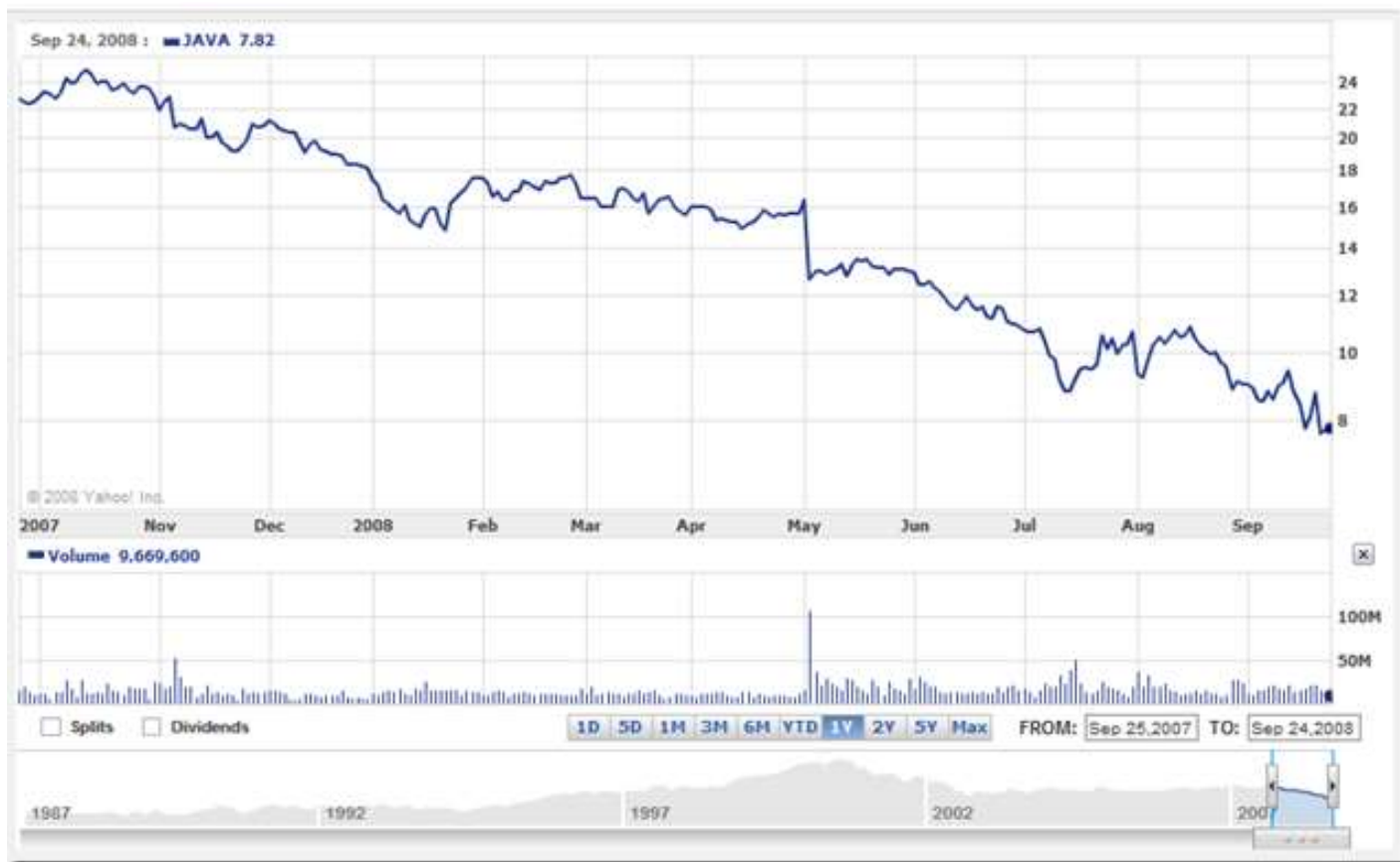
Sun Microsystems: 1996-2006

- Founded 1982
- Sold to Oracle in 2010



Sun Microsystems: final phase around 2008

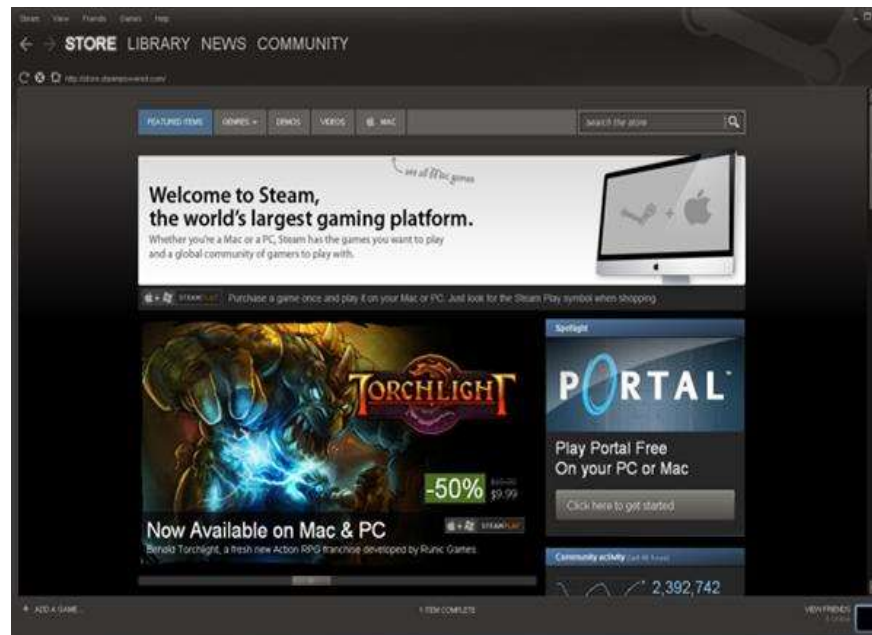
- 2007: changed stock ticker to JAVA



- Estonian electronic ID card introduced: digital authentication and signatures.



- Apple opens the **iTunes** store
- The **Safari** Internet browser is released.
- The **Mozilla Foundation** is officially formed.
- The Internet VoIP service **Skype** goes public.
- Valve introduces **Steam**.



2004: the year of social networking

- **MySpace** is launched: first successful social network platform.
- **Orkut** social network platform is launched by Google.
- Mark Zuckerberg launches Thefacebook, later becomes **Facebook**.
- The photo sharing site **Flickr** is launched.
- Google announces **Gmail**.
- **Ubuntu** linux distro is released.
- **Firefox** is released: followup to Mozilla, which was a followup to Netscape



2004: Half-life 2

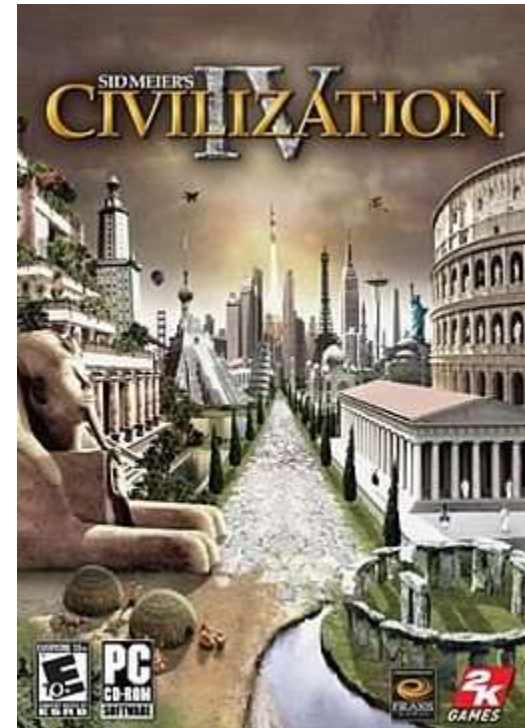
- Developed by **Valve**
- Uses **source** engine by Valve, a distant derivative of John Carmack's quake engine



2005: Internet elections start in Estonia

- **First use:** local elections in 2005. 1.9% of votes electronic.
- **Recent :** parliament elections in 2019: 43.8% of votes electronic
- **Details:** <http://www.vvk.ee/valijale/e-haaletamine/e-dokumendid/>
- **Preparations:** E-valimised Eesti Vabariigis: võimaluste analüüs (Tanel Tammet, Hannu Krossing, 10.2001)
<http://www.vvk.ee/public/dok/evalimisteanalyys24okt.doc>
- **Source code made public 2013:**
<https://github.com/vvk-ehk/evalimine>

- **Google maps** released
- **YouTube** is founded and comes online
- **Lenovo** acquires IBM PC business
- Apple announces it plans on switching its computer to the Intel processors
- **eBay acquired Skype** for approximately \$2.6billion
- Microsoft releases the **Xbox 360**
- **Ruby on Rails** emerged: a popular server-side web application framework
- **civ IV** released:
Soren Johnson, Sid Meier



- **Amazon Web Services** is launched with Elastic Cloud 2 (EC2) and Simple Storage Service (S3).
- The notion of a “**Cloud**” becomes popular: renting virtualized servers
- **Nintendo's Wii** game system released with Wii Remote for advanced gesture recognition



- **Apple iPhone** is released
- **Amazon Kindle** is released
- **Dropbox** is founded as a cloud-based service for convenient storage and access to files.
- **Checkers is solved**: Jonathan Schaeffer at the University of Alberta
- **Internet voting for parliament** in Estonia: 3.4% of eligible voters voted online



- **Apple's MacBook Air** released
- **The first Android phone** appeared: HTC's T-Mobile G1. Android has been developed by Google for some years already.
- **Palm Pre** released with WebOS
- **Founders Friis and Zennstrom leave Skype** (still owned by eBay)



- **Minecraft** introduced by Markus “Notch” Persson
- **Bitcoin** designed by Nakamoto launched
- **Node.js** written by Ryan Dahl: a popular server-side Javascript system on top of Google’s V8 Javascript engine
- **Mobile web** is becoming popular

